

# Chapter 33 GLASS CUTTERS

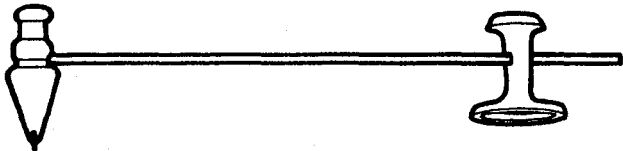
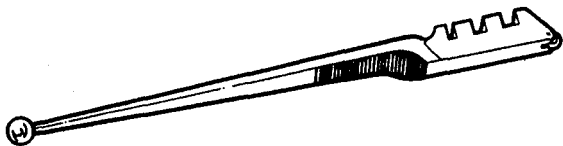
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## HOW TO CHOOSE AND USE THEM

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The "Types and Uses" section provides you with a list of some of the types of cutters. These pages should help you select the right cutter to do the job.

The "Using" section tells you how to use the cutter to perform the desired function. The "Care" procedures tell you how to care for the items.

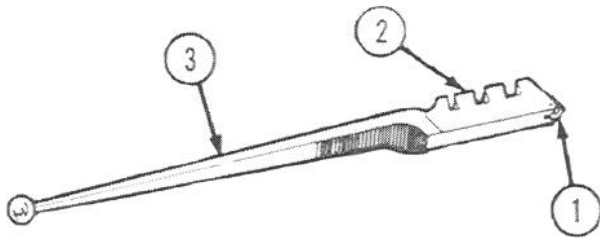


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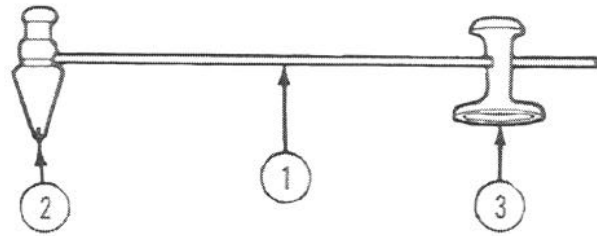
## TYPES AND USES

### WHEEL TYPE GLASS CUTTER



The wheel glass cutter consists of a steel cutting wheel (1) notching teeth (2), and a holder (3). It is used for making straight cuts on glass.

### CIRCLE GLASS CUTTER

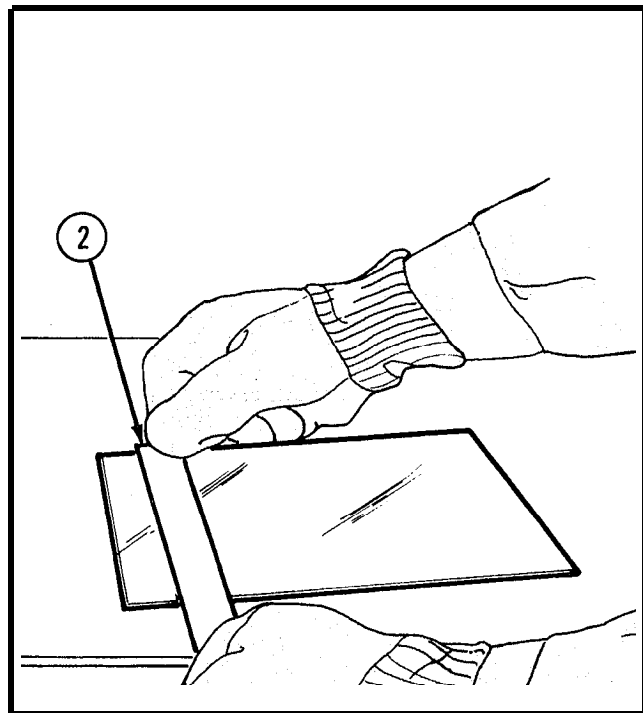
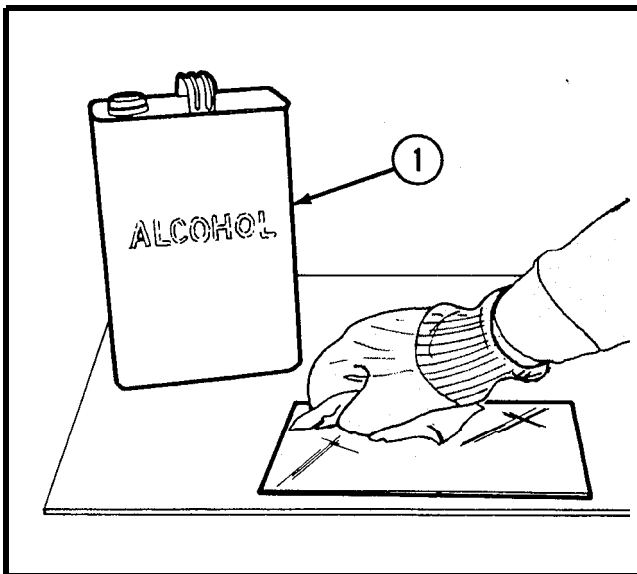


The circle glass cutter has an adjustable arm (1), a cutting head (2), and a suction cup clamp assembly (3). The cutting head scores a mark on the sheet of glass. The suction cup assembly provides an anchor. The circle glass cutter is used to cut circles in glass. The adjustable arm can be moved in the suction cup assembly to allow circles from 2 to 24 inches in diameter.

## USING A WHEEL-TYPE GLASS CUTTER

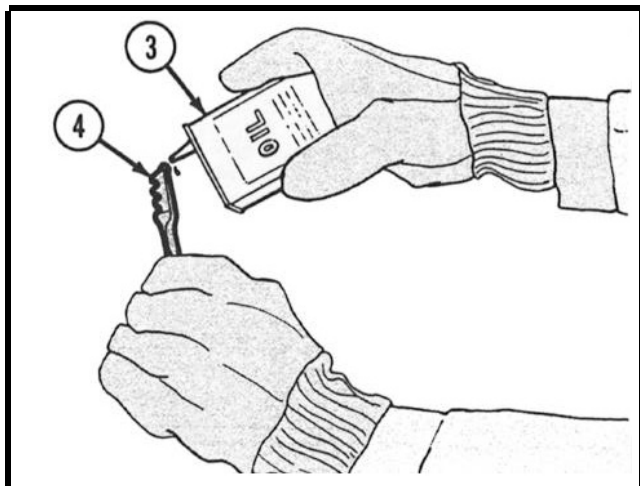
### WARNING

USE CARE WHEN HANDLING GLASS.  
WEAR GLOVES TO PROTECT YOUR HANDS.

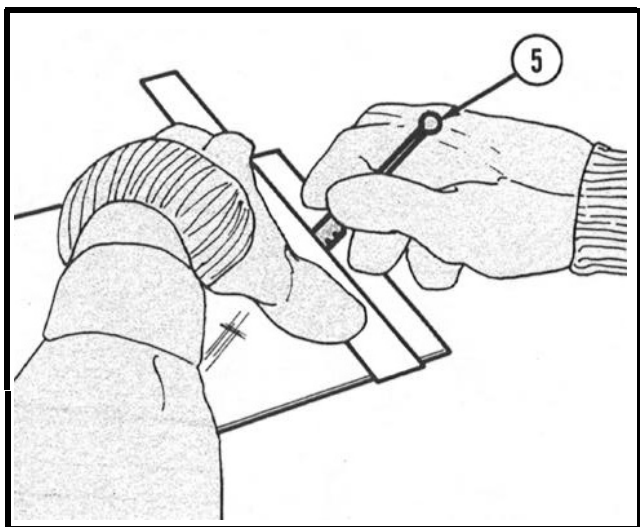


- 1 Place padding (newspapers, a piece of carpet, or blanket) on a flat, level surface.
- 2 Make sure the glass is clean. Apply alcohol (1) along the line to be cut. This prevents the cutting wheel from becoming gummed up while in use.
- 3 Place a straight edge (2) along line to be cut. A wooden yardstick should be used when available, since wood will not slip easily on glass. The cutter will cut 1/16 inch from your mark, so adjust your guide before cutting.

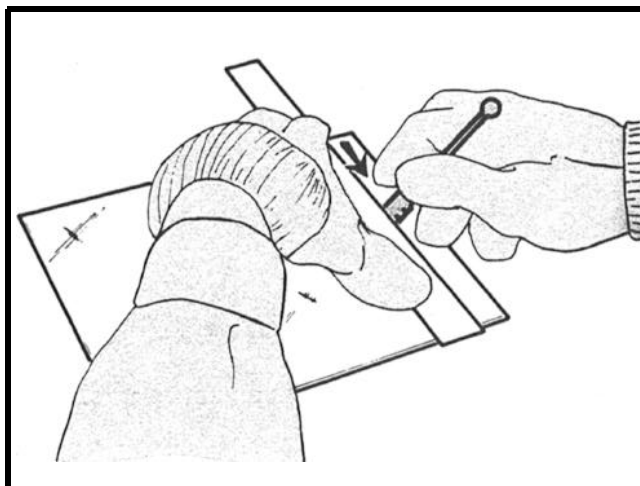
## USING A WHEEL-TYPE GLASS CUTTER - Continued



- 4** Apply a drop of light machine oil (3) to the cutting blade (4).



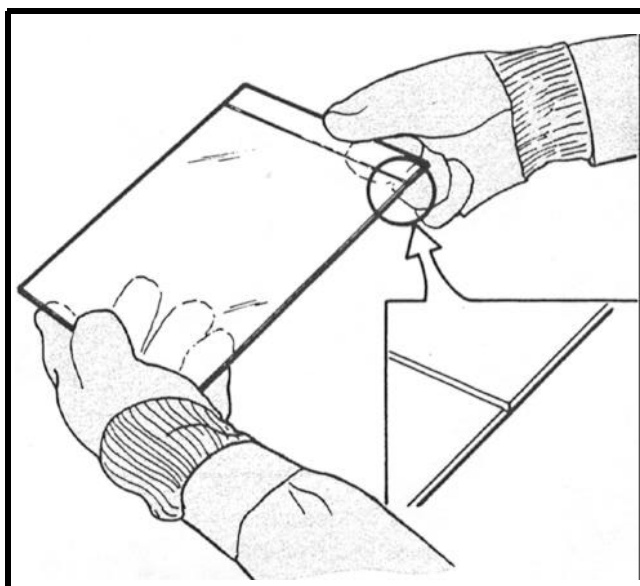
- 5** Hold down on the straight edge with one hand while holding the cutter (5) in an upright position in the other hand. Your forefinger should extend along the holder with your fingertip near the wheel.



- 6** Start your cut at the far end of the pane of glass drawing the cutter toward you. It is important that you maintain proper pressure throughout the cut. Correct pressure is indicated by a scratching sound. Too much pressure or a dull wheel will produce a crunching sound. Make a continuous mark from one edge to the other edge.

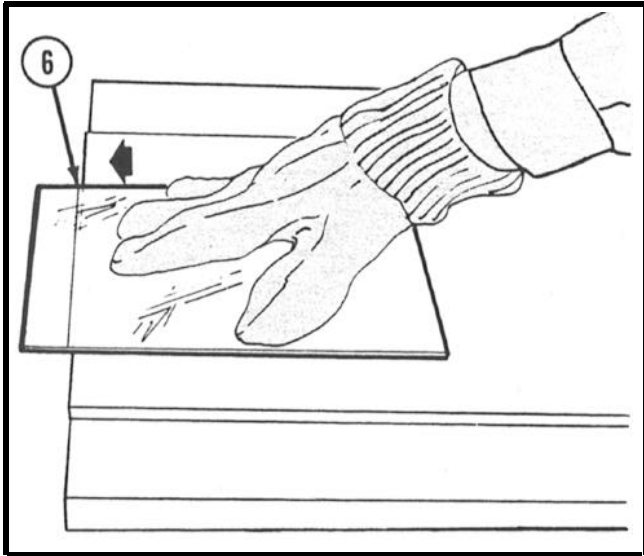
### NOTE

Draw the cutter over the line only one time. If it is necessary to recut a groove, do not use a new cutter.

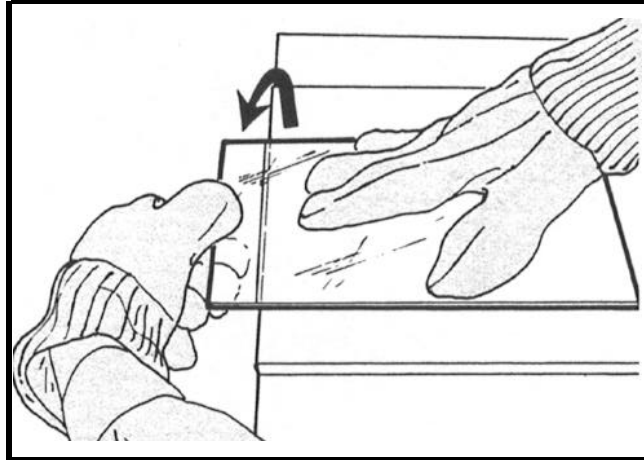


- 7** A proper cut is indicated by a slight crack in the surface. It is best seen from the side opposite the mark.

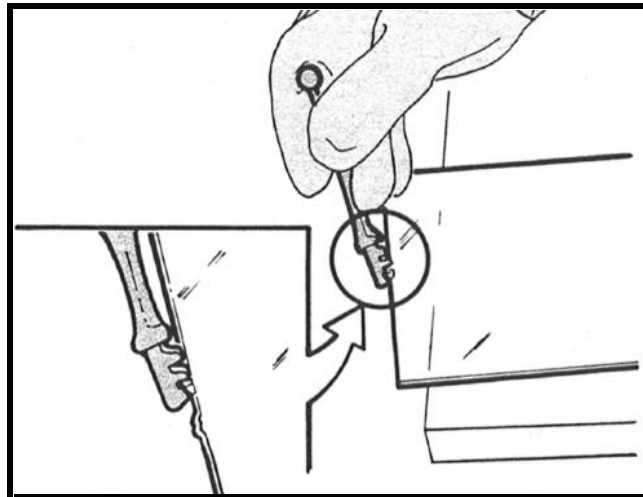
## USING A WHEEL-TYPE GLASS CUTTER - Continued



- 6** To part the glass, slide the pane of glass so the scored groove (6) is about 1/8 inch beyond the table edge.



- 9** Hold down on the section resting on the working surface. Grasp the section extending over the edge with your other hand. Apply a light downward pressure to part the glass.



- 10** Remaining chips may be removed by applying a downward twisting motion using the notches of the cutter.

## CARE OF CUTTERS

1. Make sure cutting blades remain sharp. Sharpen dull blades with a file or oil stone.
2. When not in use, apply a light film of oil on the cutting edges.
3. Store cutters in such a way as to prevent the blades accidentally making contact with personnel or other metal.
4. For long periods of storage, coat entire cutter with rust-preventive compound and store in a dry place.